COMMONWEALTH OF MASSACHUSETTS
DESIGNER SELECTION BOARD PROJECT CRITERIA

DSB LIST # **08-13** **ITEM #** **1** **DSB PUBLIC NOTICE DATE** **August 6, 2008**

LAST DATE FOR FILING APPLICATION IS: **August 27, 2008** **at 2:00 PM**

The Board recommends applications to be submitted by any of the following firms:

(**X**)	Architect	( )	Engineer
(**X**)	Architect/Engineer (A/E)	( )	Other:

PROJECT NUMBER: **UMA0801ST1**

PROJECT TITLE: **New Academic Classroom Facilities**

PROJECT LOCATION: **University of Massachusetts, Amherst**

AWARDING AGENCY: **Division of Capital Asset Management**

APPROPRIATION SOURCE: **Agency Funding**

AVAILABLE AMOUNT: **$85,000,000 subject to legislation**

ESTIMATED CONSTRUCTION COST: **$60,000,000**

TOTAL FEE, excluding reimbursables or any authorized per diem payments, based on scope of work and services authorized if project is completed.

(**X**)	Lump Sum Established Set Fee for Study Phase Per M.G.L. C.7, §38G(a)	**$1,050,000**	dollars
(**X**)	Lump Sum Established Set Fee for Final Design Phase Per M.G.L. C.7, §38G(a), based on the approved estimated construction cost in the certified study.	**7.5**	per cent

IMMEDIATE SERVICES AUTHORIZED:
(**X**) CERTIFIABLE BUILDING STUDY
(**X**) OTHER: COMPREHENSIVE ACADEMIC PLAN
As per M.G.L. C.7, §38I, the selected designer may be appointed by the DCAM Commissioner for continued services as noted below subject to approval by the Designer Selection Board:
(**X**) SCHEMATIC PLANS AND OUTLINE SPECIFICATIONS
(**X**) DESIGN DEVELOPMENT PLANS AND SPECIFICATIONS
(**X**) CONSTRUCTION PLANS AND SPECIFICATIONS
(**X**) ADMINISTRATION OF CONSTRUCTION CONTRACT
( ) OTHER:

MBE/WBE PARTICIPATION:
In accordance with Executive Order #390, DCAM has established minimum goals of 8% MBE participation and 4% WBE participation for the combined value of the study and final design contracts for this project. MBE/WBE goals must be met within the list of requested prime and sub-consultants. All applicants must indicate how they will meet these goals and will be evaluated on that basis. Further information about the MBE/WBE Program appears in the DSB Public Notice at pages 4-8 entitled “Participation by Minority Owned Businesses and Woman Owned Businesses” and at Attachment E of the DCAM Standard Contract for Design Services. Applications from MBE and WBE firms as prime consultant are encouraged.

APPROPRIATION LANGUAGE: Pending passage of the House Bill No.4538. " To provide for a program of capital improvement to public higher education institutions of the Commonwealth…….For costs associated with planning studies…….preparation of plans and specifications, repairs, construction, renovations, improvements, maintenance and repair….at the University of Massachusetts campus facilities and grounds……that not less than $85,000,000 shall be expended for a new academic classroom building at the Amherst campus.

GENERAL SCOPE OF WORK:

Division of Capital Asset Management
D·C·A·M
Building for the Commonwealth

Comprehensive Academic Classroom Facilities Plan and Certifiable Study for New Academic /Classroom Building
The Division of Capital Asset Management, in conjunction with the University of Massachusetts, Amherst (UMass), seeks expert professional services for a two phased effort that will include the preparation of a Comprehensive Academic and Classroom Facilities Plan and a Certifiable Study for a New Academic and Classroom Building at the Amherst campus. Each phase of the study will be conducted in four stages: goals of the project, information gathering and analysis, potential solutions, and consensus solutions.

Overview

The University of Massachusetts at Amherst is a Carnegie Research Extensive University that competes nationally in many academic fields at the highest level of teaching and research. UMass is in the process of implementing a new faculty hiring program throughout the University. The continued ability of the Amherst campus to attract and retain the next generation of the highest caliber faculty and to increase student enrollment requires renewal and expansion of the academic facilities.

The University's strategic plan for general academics facilities and classrooms focuses upon the need to expand facilities to accommodate growth, modernize existing facilities, replace obsolete space, and relocate and consolidate departments that have grown without the benefit of functional adjacency and contiguity. As part of the long range need to revitalize the academic core, this plan will serve new functions in a manner compatible with the campus plan and architectural context. The plan for new Faculty hiring and recent expansion of student population, in combination with antiquated building systems and cramped conditions, drive the need for a substantial amount of new general academic and classroom space. The higher education bond bill will provide UMass with the opportunity to add additional space to address these needs.

In addition, many of the existing campus buildings remain appropriate for their current use but require significant renovations to better support evolving programs. To extend the useful life of the facilities, this Study will consider a number of factors including but not limited to:

- Adjusting room sizes and adjacencies
- Providing new room types and virtual learning environments
- Updating the systems that support the building and its new arrangement
- Providing space for newly configured departments to allow alignment with revised organizational structure

To support the faculty and student growth, the University is beginning an important phase of capital improvement through renovation and new building construction. It is a priority of this study to introduce innovative and comprehensive water and energy efficient design into the earliest phases of the design process and apply sustainable functionalities into all aspects of the design.

General Project Information

Project Funding

The planning work for Phase I, the Comprehensive Academic and Classroom Facilities Plan, encompasses conceptual planning for new Academic and Classroom Buildings including an addition to the Isenberg School of Management (funding to be determined) and renovations to the other buildings. Anticipated funding in the Higher Education Bond Bill includes $85M for a new Academic Building and $12.5M for renovations. In addition, the focus of Phase I will evaluate backfill renovations to numerous academic buildings funded by UMass capital funds. The Phase II scope of work will be to prepare a certifiable building study for a new general academic building.

Study Process

The Study will involve a highly interactive planning process with the UMass academic leadership, faculty, Division of Facilities and Campus Planning (F&CP), and DCAM. Weekly work sessions with the study team will be held along with periodic workshops that invite UMass and DCAM department members to identify potential obstacles and expedite decision making. It is expected that the Prime Principal-In-Charge will participate throughout all phases of the study. The Sustainable Design Specialist (see description on p.7) will also be a key team member to introduce innovative and sustainable water and energy opportunities early in the design process and continue to provide engineering and design recommendations through all phases.

Study Milestones

The University anticipates that the study for the new academic classroom will span 12 months. The expectation is that Phase II, the Certifiable Study for the new Academic and Classroom Building, will begin midway into Phase I and be completed within six months allowing Final Design for Phase II to begin in the Fall of 2009. Applicants need to demonstrate in Question 10 on their application, sufficient staff dedicated to this project to meet this timeline.

Scope of Work

The scope of work for the study will include, but not be limited to, the following items:

Work Plan

1. Review preliminary Work Plan to be prepared by DCAM. Validate and /or propose modifications for final Work Plan based on: initial investigations and meetings with UMass and DCAM; clear understanding of the requirements for this project; UMass goals; and statements of deficiencies from prior planning efforts.

2. The Work Plan shall include a full task breakdown by scope (discipline), cost, schedule, deliverables and corresponding fee payments, and resources required.

Phase I: Comprehensive Academic Facilities Plan

Objectives of the Academic Facilities Plan

1. Develop a comprehensive needs assessment for the designated academic disciplines taking into account space utilization, condition of existing space, space and program decompression, and future growth projections.

2. To meet needs of the project's academic activities, enrollment, and changed pedagogy:
    - Develop a comprehensive analysis of existing classroom and lecture hall conditions and capabilities (configuration, equipment, location, size).
    - Prepare a space utilization plan using UMass prior 2005 data as a starting point and developing new utilization data summaries and detail.
    - Make recommendations for a prioritized and phased improvement, modernization, and expansion plan.

3. Develop a strategy to meet the needs of the general academic departments that include solutions for new construction and renovations for backfill of existing space.

4. Determine the optimal implementation plan that considers sustainable design, energy demands, water conservation, department programs, costs, and construction phases for multiple projects.

Scope of work will include, but not be limited to:

- Review of all relevant documents and prior work prepared by UMass;
- Validate existing building condition reports and identify key physical conditions that will impact space use including energy and water use;
- Document the deficiencies and needs of the designated academic spaces;
- Identify opportunities and constraints of existing buildings and potential sites;
- Determine the maximum development potential for up to four new buildings sites;
- Develop a prioritized program of carefully defined space needs and adjacencies, related building condition issues, sustainable planning including energy and water impact, and infrastructure requirements;
- Develop options to determine the best use for existing facilities and new buildings testing the University's strategy to build up to two new academic buildings, re-program up to ten buildings and implement major renovations up to four existing buildings.
- Consider the distinct mechanical needs of the diverse program elements and efficiently provide for different occupancy zones within the existing and new buildings;
- Prepare conceptual energy modeling and cost analysis for all the buildings in the study to assist in selection of the preferred option;
- Evaluate options based on analysis of site planning and impact on surrounding areas, construction feasibility and cost, and the best opportunity to optimized energy and water efficiency;
- Create a set of prioritized projects considering the University's research goals, energy and water use per Executive Order 484, sequencing, and timing of the projects.

Phase I Deliverables

- *Volume 1:* Work Plan for Phase I & II: a full breakdown of activities, fee schedule, project schedule, and deliverables.
- *Volume 2*: Information Gathering, Feasibility Analysis and Program Analysis Report: documentation of building assessments identifying deficiencies in existing building systems and envelope, energy and water impacts, code issues, costs, etc; site analysis of designated sites; documentation of needs assessments including interview notes, programmatic requirements, peer institution comparisons, benchmark standards by functional group, etc.
- *Volume 3:* Alternative Implementation Solutions Report: documentation on development scenarios, schedules, back fill plans and phasing, conceptual cost estimates, etc.
- *Volume 4:* Academic Implementation Plan: documentation of preferred solution (phasing, costs, plans, etc) and compilation of work-to-date that led to development of the preferred solution, including energy and water impacts, the site selection for the new academic building.

Phase II: Certifiable Study for New Academic and Classroom Building ($61 million estimated construction cost)
Certifiable Study Project Objectives

1. Prepare a certifiable study for one new general academic building.

2. Define the amount, types, and quality of academic and classroom space that can be built within the project budget.

3. Address the requirement for new large classroom space ranging in size from 100 to 250 seats.

4. Examine the entire facility from a "whole building" perspective to improve the efficiency of the complete facility. Establish sustainability goals, including energy and water criteria, and use life cycle cost analysis as a basis for energy and water decisions. Consider renewable energy sources and water harvesting. Document requirements to achieve Mass LEED Plus through LEED Platinum.

Scope of work will include, but not be limited to:

- Prepare detailed technical assessment of the site(s) selected as the consensus site and for the site area, infrastructure, and related context elements;
- Identify and evaluate alternate methods, systems, and materials achieving the Mass LEED Plus requirements and LEED Silver certification or higher;
- Analyze the integration of a new academic classroom building with the south and west campus core
- Prepare detailed program of the academic programs to be accommodated including critical adjacencies;
- Develop feasible architectural concepts that best accommodate the program;

- Document the consensus solution, including identification of final program, schematic layout, summary description of the construction scope, energy and water impact, detailed construction cost estimate, and project schedule;
- Prepare final documentation of the building study, submit and complete through final certification by DCAM all requirements for a study as described in the October 2000 edition of the DCAM Guidelines for the Preparation of Studies for Building Projects.

Phase II Deliverables

- ***Volume 1*: Work Plan for Phase II**: a full breakdown of tasks, fee schedule, and deliverables
- ***Volume 2:* Information Gathering, Feasibility Analysis and Program Analysis Report**: documentation and development of refined building program determined in Phase I, site analysis of selected building site, and documentation of code issues, energy and water impacts and opportunities, building and structural systems requirements.
- ***Volume 3:* Potential Solutions Report:** documentation of the conceptual options including floor plans, sections, massing diagrams, summary of pros and cons, relative costs, energy strategies, construction scenarios, and schedule.
- ***Volume 4:* Final Building Study Repo**rt: documentation of the preferred option including refined space program with room data sheets, floor plans, sections, site plan, outline specifications, energy and water strategies, budget, schedule, and study processes as described in DCAM's *Guidelines for Preparation of Studies of Building Projects.* http://www.mass.gov/dcam/dlforms/STUguide.pdf

UMass Academic Program

The changes in general academic teaching over the past 35 years profoundly impact the amount, types, and quality of space required. The increase in research being conducted, new areas of inquiry, new classroom technologies that consider a wider range of possibilities than overlay of new technologies upon existing pedagogy, and new types of learning spaces all contribute to the need for additional and quality space.

The existing academic facilities at UMass have aged and no longer support today's teaching and research programs. There is a need to decompress and provide normal and adequate space on par with peer institutions. The dispersed and disconnected locations of the many academic departments limit the ability to grow and expand programs.

Important considerations for classrooms are: acoustics, thermal comfort, lighting (ambient for teaching, dimmed for note taking, controls for presentations, stage lights in large auditoriums) and consideration of alternative classroom spaces. Technology has allowed learning to happen "anyway, anyplace, any time" including wireless locations, living learning with housing, large faculty offices, café options, and outdoor seating areas.

For the general academic departments there is a need to provide accessible and appropriate space for high profile programs, consolidate and expand growing and dispersed academic departments, and provide space for administrative offices of Deanships.

In addition, the **study will evaluate the classrooms and auditoriums in the general academic buildings**, define the program needs, and re-purpose outdated facilities. The Study will incorporate a full range of teaching and web-based technology throughout the academic classrooms. **The study will evaluate 275 classrooms and lecture halls containing 13,500 seats across 43 buildings.**

The Study encompasses a wide range of departments within six colleges with approximately 1,100,000 NASF of space in 17 buildings. Departments include but are not limited to:

- Commonwealth College, the Honors College at the University of Massachusetts, Amherst
- School of Education
    - Educational Policy, Research and Administration, Student Development & Pupil Personnel Services, Teacher Education & Curriculum Studies
- College of the Humanities & Fine Art

  - Afro American Studies, English, History, Languages, Literatures and Cultures, Linguistics, Music & Dance, Women's Studies, Dean's Office
- Isenberg School of Management
  - Accounting and Information Systems, Finance and Operations Management, Hospitality and Tourism Management, Management, Marketing, Sport Management
- College of Natural Resources & the Environment
  - Landscape Architecture and Regional Planning

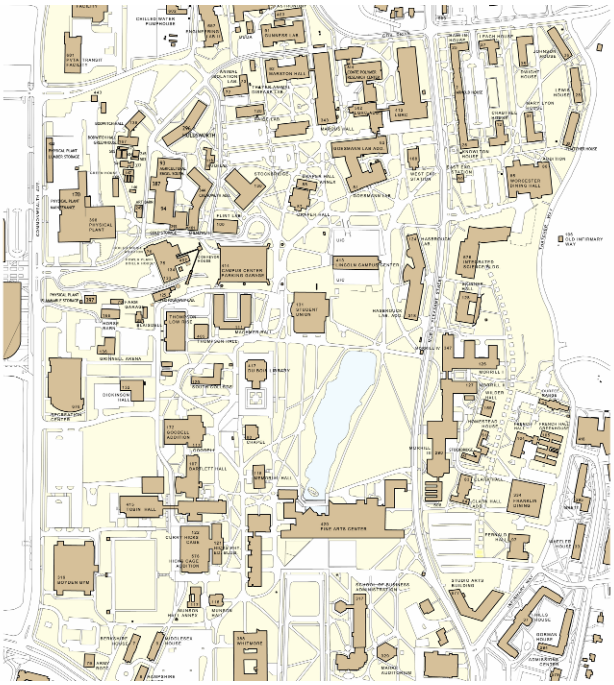
- School of Public Health & Health Sciences (non lab space)
  - Communication Disorders, Public Health, Dean's Office
- College of Social and Behavioral Sciences
  - Anthropology, Communications, Economics, Political Science, Psychology, Social Thought and Political Economy, Sociology, Dean's Office
- Provost's Office
  - Advising, Research Support Functions and Research Commons

Background information regarding UMass and the Colleges and Departments listed in this Ad can be found on the UMass website (http://www.umass.edu/).

Potential Building Sites

This study will evaluate up to four potential building sites; incorporate the University infill development goals, identify opportunities and constraints of each site, and determine the maximum development potential of each site. The site locations are concentrated in the west and south areas of the core main campus. Two of the four potential sites are (1) the area on and surrounding the Hicks Way tennis courts extending to Commonwealth Avenue and to the north and east along Hicks Way and (2) the area east and north of the existing Isenberg school of Management. Other sites remain to be identified as part of the study process. This part of the campus is well served by existing and new roads and pedestrian paths. Infrastructure improvements will need to be considered for each of the sites.

A key objective is to consider this project in the context of the long range development potential of the site areas. Careful placement of the future building is also critical to creating useful campus open space that integrates and improves the existing campus open spaces, pedestrian pathways and scenic views.



UMass Amherst Campus Core Area

Existing Building Analysis
The study scope will include review of building condition information, provided by the University, for approximately 20 buildings. The Study includes, but is not limited to, the following buildings: Arnold, Bartlett, Dickerson Hall, Draper, Du Bois Library, Flint, Goodell and Addition, Herter, Hills, ISOM and Alfond, Machmer, New Africa House, Old Chapel, South College, Thompson, Tobin, and Wilder.

Range of building included in this study.


South College – 1885, 31,000 SF


School of Management - 1963, 75,000 SF
ISOM addition H Alfond Mgmt Center


Machmer Hall – 1957, 72,500 SF


DuBois Library – 1972; 406,480 SF


Thompson Hall – 1968; 88,000 SF


Tobin Hall – 1972, 112,000 SF

UMass Amherst Sustainable Design and Construction

The potential for energy savings is considerable and improving energy efficiency in classroom facilities is an important priority for UMass. It is the goal of this study to introduce energy decision-making into the earliest phases of the design process and to evaluate advanced energy-efficiency features in classroom environments by using a comprehensive design approach that views the entire building as the essential 'system'. This study will incorporate critical design strategies and introduce innovative features that alleviate energy strains and maximize energy efficiency and water.

UMass has developed a sustainable building design policy and program to ensure that the University will commit to a resource and energy conservation program based on continual improvement in the design and construction of new buildings and major renovations (http://www.umass.edu/fp/Sustainability%20Plan.pdf).

Sustainable Design Specialist
The Prime services will include a Sustainable Design Specialist to incorporate low-energy and climate responsive strategies. For Phase I, the Comprehensive Academic and Classroom Facilities Plan, the Sustainable Design Specialist will provide energy guidance and general building energy guidelines for the buildings in the study; energy modeling for individual buildings will be an additional service. For Phase II, the Certifiable Study, the Sustainable Design Specialist will be included in the Prime basic services and be the advocate for achieving sustainable design features; meeting energy and water reduction goals and promoting the teamwork and collaboration necessary to evaluate the complex interactions required in an integrated design process. Energy modeling services will be part of the Prime services in Phase II, the Certifiable Study.

University Presidents' Climate Commitment

It is expected that sustainability planning will be incorporated into all aspects of the project. The University is a signatory of the *University Presidents' Climate Commitment* (http://www.presidentsclimatecommitment.org/) and the University has established the goal of LEED Silver or higher for new construction.

GENERAL CONDITIONS OF THIS CONTRACT:

Study Contract
If selected for study services, the applicant agrees to execute *DCAM Form C-3 Contract for Designer's Services–Study*, or its successor, without revisions or modifications. DCAM compensates the designer during the Study Phase for approved products in accordance with the approved work plan.

Design Contract
At the conclusion of the study, if approved by the DSB to perform final design services, the applicant agrees to execute DCAM Standard Contract for Design Services (Revised 12/07)[1] or its successor, without revisions or modifications.

DCAM Procedures
The designer will follow the procedures established in DCAM's Designer Procedures Manual dated June 2005 (http://www.mass.gov/cam/dlforms/DPMD_2005_06.doc). Applicants are urged to review and become familiar with the following supplemental material, which is available on the web at: http://www.mass.gov/cam/DSB/index.html.

PMAS
Consultants will be required to use DCAM's electronic web-based Project Management and Accounting System (PMAS) as a repository for all project correspondence, documentation, and project budgeting, and scheduling. No special software is required.

Workshops
UMass Amherst, DCAM and the Designer will hold periodic workshops to ensure that critical issues are not overlooked and that all team members have an opportunity to contribute their expertise, to anticipate potential obstacles, to identify potential solutions, and to expedite the decision-making process. Attendance by key design team members will be required at all workshops.

Executive Order 484
This project shall comply with all applicable requirements of Executive Order 484 (EO 484): see http://www.mass.gov/Agov3/docs/Executive%20Orders/Leading%20by%20Example%20EO.pdf and meet Mass LEED Plus requirements that all building studies shall include preliminary estimates of the project's energy use, water use, and greenhouse gas emissions using protocols established by EOEAA or as determined by DCAM. No building study shall be certified for final design unless all means, methods, and commitments required to mitigate the project's impact on the operating agency's plan for meeting EO 484's goals are documented in the consensus solution, implementation plan, and estimated construction cost.

LEED Certification
This project shall be certified LEED Silver or higher. Studies for all projects shall identify and evaluate alternate methods, systems, and materials achieving Mass LEED Plus requirements and LEED Silver certification or higher. Any and all of these may be incorporated into Final Design as part of the Designer's base fee; administration of the certification process by the Designer during the Final Design and Construction phases of the project will be considered an extra service.

Environmental and other supplemental services
DCAM reserves the right to obtain supplemental services through independent consultants who will collaborate with the prime and the project team.

Universal Design
In addition to complying with 521 CMR, The Rules and Regulations of the Architectural Access Board (http://www.mass.gov/aab/aab_regs.htm), the consultant will review ADA Title II (http://www.usdoj.gov/crt/ada/reg2.html), and the ADA Accessibility Guidelines (http://www.access-

[1] The *DCAM Standard Contract for Design Services* (Revised 12/07) replaces the former *DCAM Form C-2 Contract for Designer Services*.

board.gov/adaag/html/adaag.htm), to ensure that the proposed design meets the civil right intent of this act. The requirements of these two laws may differ and the consultant must comply with the more stringent. Design solutions will meet the diverse and changing needs of users across age, ability, language, ethnicity and economic circumstance.
DCAM welcomes innovative design strategies that are simultaneously equitable, flexible and legible for all and extend beyond minimal compliance with accessibility regulations.

Construction Specifications
The designer shall utilize the DCAM Standard Specification.

Cost Estimating
Cost estimates, cost models, and estimator participation in both the study and the design phases shall meet the requirements of the current DCAM *Cost Estimating Manual* and will be submitted in Uniformat II in the study phase and in both Uniformat II to Level 3 and CSI Masterformat in the design phase. The *Cost Estimating Manual* can be
found at http://www.mass.gov/cam/dlforms/CEM_Feb06.pdf, and Uniformat II can be found at http://www.bfrl.nist.gov/oae/publications/nistirs/6389.pdf.

Building Information Modeling
Building Information Modeling (BIM) will be used in the study phase of this project for the conceptual design of the new academic classroom building. It is anticipated that BIM will be used in the final design and construction phases of this project. Applicants need to note in Question 10 on their application in-house BIM capability of the proposed project team.

CAD Standards
DCAM has established a CAD Standards Manual to ensure consistent and standardized identification and representation of drawing data. The standards generally comply with the AIA Architectural Graphics Standards and the National CAD Standard. The Manual can be found at http://www.mass.gov/cam/forms/fi_CAD_Standards.html.

Building Commissioning
DCAM will include building commissioning as part of this project. The Designer of record will develop in collaboration with DCAM and UMass an operations and maintenance plan to be produced as a reimbursable expense during the building commissioning phase. The Designer will meet with DCAM's building commissioning agent during design and construction to evaluate design proposals for MEP systems to ensure maintainability and operational efficiency.

CM at Risk
The construction of this project will be performed utilizing a construction management at-risk (CMAR, sometimes referred to as CM/GC) contract in accordance with MGL Chapter 149A. It is anticipated that the CM at Risk will be on board during the Schematic Design phase of the Final Design project.

Integrated Project Delivery.
DCAM may elect to use a modified form of Integrated Project Delivery (IPD) for this project, as generally described in the AIA document *Integrated Project Delivery: A Guide* (2007). (http://www.aiacc.org/site/docs/IPD_Guide_2007.pdf)
According to this guide "integrated projects are uniquely distinguished by highly effective collaboration among the owner, the prime designer, and the prime constructor, commencing at early design and continuing through to project handover."
DCAM's approach to IPD has not yet been finalized, but it will almost certainly follow the Construction Manager at Risk model, including bringing the CM in very early in the design phase of the project. Respondents should note their experience, if any, with this approach in Question 10 of their application.

Additional Supporting Documents
For additional materials for the scope of work, refer to documents on file at the Designer Selection Board and available for review in Room 1004 on the 10th floor at One Ashburton Place, Boston. The materials are also available for review at the UMass Amherst Facilities and Campus Planning office at 360 Campus Center Way, Amherst. For Amherst, please call ahead to make arrangements (413 545 1383).

- Campus Physical Master Plan 2007
- Space Utilization Study, 2005

For University Design Standards see UMass website http://www.umass.edu/fp/ for design guidelines and related documents.

CONDITIONS FOR APPLICATION:

Current or updated Master File Brochures must be on file with the Board. As a condition of application, each applicant, if selected for the new project, agrees to carry professional liability insurance in an amount equal to the lesser of $5,000,000 or 10% of the Project's Fixed Limit Construction Cost, but in no event less than $250,000 per claim in accordance with the *DCAM Standard Contract for Final Design and Contract Administration Services (Revised 11/06),* (i.e., minimum coverage of $250,000 up to $5,000,000 depending on the construction cost). DCAM may seek additional coverage for the selected designer, and if so will bear the cost of the additional coverage.

Application Evaluation - Personnel

Applications will be evaluated based on the following prime and sub consultant personnel and extent of compliance with MBE/WBE participation goals. Please identify the team in Question #6 (organization chart) on DSB Application 2005. If any team member is not listed, application will not be accepted.

1. Architect as Prime (Identify PIC, Study PM, Design PM and Project Architect in Question #6, organizational chart).
2. Higher Education Facilities Programmer and Planner
3. Higher Education Campus Planner
4. LEED Accredited Professional (designated team member to coordinate LEED certification efforts in Question #6)
5. Sustainability Design Specialist (see description on p.7)
6. Mechanical, Electrical, Plumbing, Fire Protection, (multidisciplinary or separate firms, indicate each team member in Question #6, organizational chart)
7. Structural Engineer
8. Civil Engineer
9. Code Consultant with extensive experience in Chapter 34 of the Mass State Building Code (in-house or independent)
10. Cost Estimator (independent consultant required)
11. Specifications Writer (in-house or independent)
12. Landscape Architect (in-house or independent)

Sub-consultant services may be in-house or independent. Where an "independent consultant" is required the Applicant may not provide the services "in house." If the Applicant plans to fulfill any of the other sub-consultant roles, so indicate on the organizational chart in Question #6. Project Managers for Study and Final Design should be listed separately on the organizational chart.

Application Evaluation – Project Experience

Applications will be evaluated based upon the requirements of M.G.L. Ch. 7 §38F and work listed on DSB Application 2005 Sections 8,9, and 10 which illustrate current qualifications in the following areas

1. Similar and relevant project experience in the planning and programming of Research 1 Universities, academic and classroom buildings in which multiple buildings and departments are included in the programming for a single project.
2. Campus Master Planning and Design with expertise in site planning for multiple academic facilities in a single project.
3. Significant experience with assessment of existing buildings and renovation design for academic classroom facilities.
5. Significant project experience with the design and implementation of strategies for sustainable buildings, including the reduction of energy and water use.
6. LEED AP participation in multiple buildings for the LEED certification process
7. Building Information Modeling, in-house BIM a plus

4. Significant experience with the planning, design, and construction of new academic classroom buildings.

APPLICANTS PLEASE NOTE

A copy of the most current Application Form and Instructions - **DSB 2005 Application Form** is included with this Notice, and is available for download at http://www.mass.gov/cam/forms/fi_dselectboard.html.

Only complete applications submitted on the **DSB2005 Application Form** will be considered by the Designer Selection Board. Applications that are incomplete or submitted on a form other than **DSB2005,** may be rejected as non-compliant and not be considered by the Board.

Applications received at the DSB Office after the advertised deadline will not be considered.